Animal Science

PS 1 Evaluate and describe characteristics of animals that developed in response to the animals' environment and led to their domestication.

PS 2 Outline the development of the animal industry and the resulting products, services and careers.

PS 3 Interpret animal behaviors and execute protocols for safe handling of animals.

PS 4 Design an animal facility, focusing on animal requirements, efficiency, safety and ease of handling.

PS 5 Explain the impact of animal body systems on performance, health, growth and reproduction.

PS 6 Formulate feed rations to provide for the nutritional needs of animals.

PS 7 Explain how age, size, life cycle, maturity level and health status affect the reproductive efficiency of male and female animals.

PS 8 Evaluate and select animals to maximize performance based on anatomical and physiological characteristics that affect health, growth and reproduction.

PS 9 Prescribe and implement a prevention and treatment program for animal diseases, parasites and other disorders.

PS 10 Evaluate and select animals to maximize performance based on anatomical and physiological characteristics that affect health, growth and reproduction.

PS 11 9-10.RST.4 Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9-10 texts and topics.

PS 12 9-10.RST.7 Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.

PS 13 9-10.WHST.6 Use technology, including the Internet, to produce, publish, and update individual or shared writing products, taking advantage of technology's capacity to link to other information and to display information flexibly and dynamically.

PS 14 9-10.WHST.8   Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism following a standard format for citation.

Revised 08/27/15